

Amendments to the Abstract

Please add the following abstract.

Abstract of the Disclosure

An abrasive blasting device provides for both “cold” and “hot” processing. It includes a nozzle gun, an abrasive vessel, a batcher, an ejection-type mixer, a fuel tank, and a receiver. The nozzle gun includes a combustion chamber (108), a tubular element (114) for air/abrasive mixture feeding, a nozzle (128), swirlers of the fuel blend (122) and of gaseous oxidant (124). The combustion chamber (108) at a perforated wall area (110) has variable cross-section. The batcher includes independent regulation of a seat position with respect to a position of a slide-valve rod, and abrasive loosening and blow purging.